

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A method for treating a dilatation of a body, including the steps of:

 inserting a catheter into a localized region of said body;
 exuding from said catheter a substance capable of perfusing into at least some tissue in said localized region;
 allowing said substance to perfuse into a tissue of said localized region; emitting from said catheter energy of a frequency and in an amount effective to cause a temperature change in said substance; and
 contracting said dilatation;
 whereby at least some tissue in said localized region is treated.

2. (Original) A method as in claim 1, wherein said localized region includes a lumen or sphincter.

3. (Original) A method as in claim 1, wherein said localized region includes cancerous, engorged, inflamed or infected tissue.

4. (Withdrawn) A method as in claim 1, wherein said localized region includes an aneurysm, a blocked lumen, a stenosed lumen or a constricted lumen.

5. (Withdrawn) A method as in claim 1, wherein said localized region includes a cyst, tumor or wart.

6. (Original) A method as in claim 1, wherein said localized region is

associated with a body system, said body system including a blood vessel, lung tube, lung pocket, gastrointestinal system, urogenital system, nerve or nerve sheath.

7. (Withdrawn) A method as in claim 1, wherein said localized region is associated with a particular organ including a kidney, prostate, retinal lesion or skin lesion.
8. (Original) A method as in claim 1, wherein said exuded substance includes a saline solution.
9. (Withdrawn) A method as in claim 1, wherein said exuded substance includes a non-toxic foam.
10. (Withdrawn) A method as in claim 1, wherein said exuded substance includes a collagen.
11. (Currently amended) A method as in claim 1, wherein said exuded substance includes a bioactive substance, ~~said substance~~ including a drug or an enzyme.
12. (Withdrawn) A method as in claim 1, wherein said exuded substance includes a chemoactive substance including an acid, lipid-breaker or soap.
13. (Withdrawn) A method as in claim 1, wherein said exuded substance includes an instrumental substance including a florescent or x-ray marker.
14. (Original) A method as in claim 1, wherein said energy is emitted by

electrical contact.

15. (Withdrawn) A method as in claim 1, wherein said emitted energy includes RF (monopolar or bipolar), microwave or laser.

16. (Withdrawn) A method as in claim 1, wherein said emitted energy includes ultrasound.

17. (Withdrawn) A method as in claim 1, wherein said emitted energy includes physical heating or cooling.

18. (Previously presented) A method as in claim 2, wherein said treatment includes shrinkage of said lumen or said sphincter to a selected dimension.

19. (Previously presented) A method as in claim 2, wherein said treatment includes shrinkage of said lumen or said sphincter to a substantially normal dimension.

20. (Original) A method as in claim 1, wherein said treatment includes shrinkage of said engorged or inflamed tissue by removal of lipids or water.

21. (Withdrawn) A method as in claim 1, wherein said treatment includes shrinkage of said engorged or inflamed tissue by removal of an ablated tissue or a dead cell matter.

22. (Withdrawn) A method as in claim 1, wherein said treatment includes shrinkage of said engorged or inflamed tissue by removal of infection products.

23. (Original) A method as in claim 1, wherein said treatment includes destruction of a damaged or a diseased tissue.
24. (Original) A method as in claim 1, wherein said treatment includes promotion of epithelial growth.
25. (Original) A method as in claim 1, wherein said treatment avoids local nerve centers.
26. (Original) A method as in claim 1, including an additional step of isolating said localized region using a structure inserted as part of said catheter.
27. (Original) A method as in claim 26, wherein said inserted structure includes an occluding balloon.
28. (Original) A method as in claim 26, wherein said inserted structure includes a space-filling balloon with a lumen through it.
29. (Original) A method as in claim 1, wherein said catheter includes instrumentation used for feedback.
30. (Original) A method as in claim 29, wherein said feedback includes surgical visualization provided by a camera, RF energy, x-rays, florescence or ultrasound.
31. (Currently amended) A method as in claim 29, wherein said feedback includes systemic feedback, comprising measurement of pH, pressure or temperature.

32. (Original) A method as in claim 29, wherein said feedback includes monitoring for said treatment, including an element for determining a location of a specified tissue element to be treated.
33. (Original) A method as in claim 29, wherein said feedback includes monitoring for said treatment, including pacing.
34. (Original) A method as in claim 1, wherein said exuding and perfusing includes a physical method of delivery.
35. (Previously presented) A method as in claim 34, wherein said exuded and perfused substance includes a saline solution or nontoxic foam.
36. (Original) A method as in claim 34, wherein said physical method of delivery includes a porous balloon, a microporous balloon, or a balloon with a porous or microporous membrane.
37. (Original) A method as in claim 34, wherein said physical method of delivery includes direct emission from said catheter.
38. (Withdrawn) A method as in claim 34, wherein said physical method of delivery includes a local structure, comprising an absorbable basket or a stent.